

# SITRALON 15E-UV-V0 / C7035 grau

Polycarbonate  
SITRAPLAS GmbH

Message:

Material: Polycarbonate, General Type  
Application areas: Electrical and electronic equipments e. g. switches, relays, motor housing, fuse cases, keyboards, chip carriers, connectors, telecommunication equipment  
Highlights: UV - Stabilize, enhanced fire resistance

| General Information                        |                                    |           |              |
|--------------------------------------------|------------------------------------|-----------|--------------|
| Additive                                   | UV Stabilizer                      |           |              |
| Features                                   | Flame Retardant                    |           |              |
|                                            | Good UV Resistance                 |           |              |
| Uses                                       | Connectors                         |           |              |
|                                            | Electric Motor Housings            |           |              |
|                                            | Electrical/Electronic Applications |           |              |
|                                            | Switches                           |           |              |
|                                            | Telecommunications                 |           |              |
| Resin ID (ISO 1043)                        | >PC-FR<                            |           |              |
| Physical                                   | Nominal Value                      | Unit      | Test Method  |
| Density                                    | 1.22                               | g/cm³     | ISO 1183     |
| Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)   | 17                                 | g/10 min  | ISO 1133     |
| Melt Volume-Flow Rate (MVR) (300°C/1.2 kg) | 15.0                               | cm³/10min | ISO 1133     |
| Mechanical                                 | Nominal Value                      | Unit      | Test Method  |
| Tensile Modulus                            | 2600                               | MPa       | ISO 527-2/1  |
| Tensile Stress                             |                                    |           |              |
| Yield                                      | 62.0                               | MPa       | ISO 527-2/50 |
| Break                                      | 50.0                               | MPa       | ISO 527-2/5  |
| Tensile Strain                             |                                    |           |              |
| Yield                                      | 8.0                                | %         | ISO 527-2/50 |
| Break                                      | 4.0                                | %         | ISO 527-2/5  |
| Nominal Tensile Strain at Break            | > 50                               | %         | ISO 527-2/50 |
| Impact                                     | Nominal Value                      | Unit      | Test Method  |
| Charpy Notched Impact Strength (23°C)      | 12                                 | kJ/m²     | ISO 179/1eA  |
| Charpy Unnotched Impact Strength (23°C)    | No Break                           |           | ISO 179/1eU  |
| Thermal                                    | Nominal Value                      | Unit      | Test Method  |
| Vicat Softening Temperature                | 141                                | °C        | ISO 306/B50  |
| Flammability                               | Nominal Value                      | Unit      | Test Method  |

|                                          |     |    |                |
|------------------------------------------|-----|----|----------------|
| Flame Rating (1.50 mm)                   | V-0 |    | UL 94          |
| Glow Wire Flammability Index (1.00 mm)   | 960 | °C | IEC 60695-2-12 |
| Glow Wire Ignition Temperature (1.00 mm) | 875 | °C | IEC 60695-2-13 |

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